

Amdt. dated 14 Nov 03

Reply to Office action of 20 Oct 03

**RECEIVED**  
**CENTRAL FAX CENTER****JUN 22 2004****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/034,769  
Applicant(s) : Ryan J. Welch et al.  
Filed : January 3, 2002  
Title : Hybrid Electrical Circuit Device With Mated Substrate Carrier

TC/A.U. : 2827  
Examiner : John B. Vigushin

Docket No. : AFD 460

Honorable Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**OFFICIAL****AMENDMENT and RESPONSE TO RESTRICTION REQUIREMENT**

Sir:

In response to the Office action of restriction dated 20 October 2003, please  
amend the above-identified application as follows:

Applicant's election appears on page 2 of this paper.

Applicant's remarks appear on page 3 of this paper.

Amendments to the Drawings begin on page 4 of this paper.

**ELECTION**

Applicants hereby provisionally elect the claims of group 2, i.e., claims 9-20 for current examination on the merits.

**REMARKS**


Claims 1-20 are pending in the application. Of these claims, claims 1-8 are identified as a first invention and assigned the identity of Group I in the October 20 Examiner's Action of restriction. The Group II claims are identified as the remaining claims, claims 9-20, in the Examiner's Action.

In response, applicants provisionally elect the Group II claims, claims 9-20, for present examination on the merits. Applicants also submit herein a replacement sheet 14 of formal drawings in which the omitted notation "PRIOR ART" is added to the FIG. 27A and FIG. 27B drawings.

The omitted notation "PRIOR ART" added to the FIG. 27A and FIG. 27B drawings is supported by the language commencing at page 8, line 27 of the original application specification.

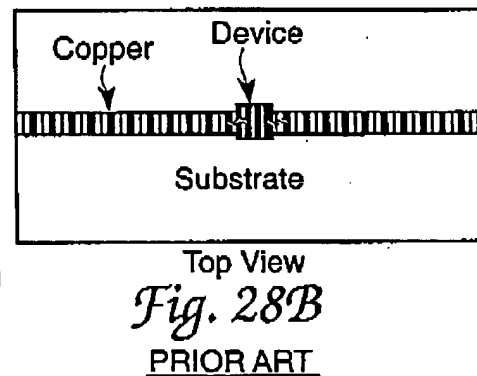
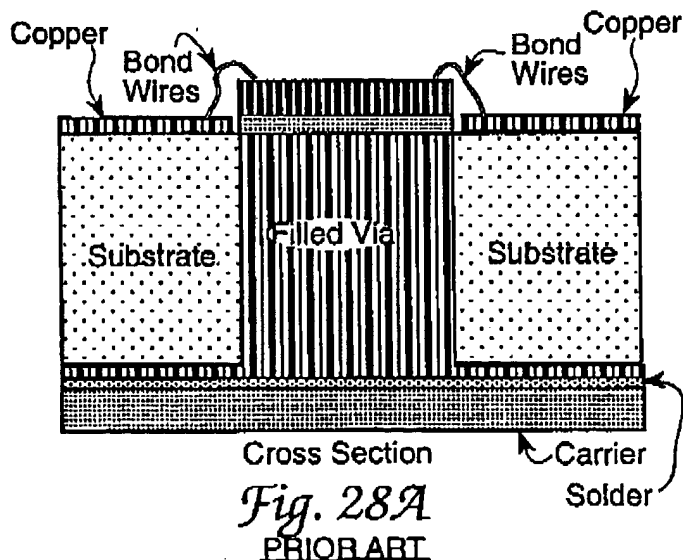
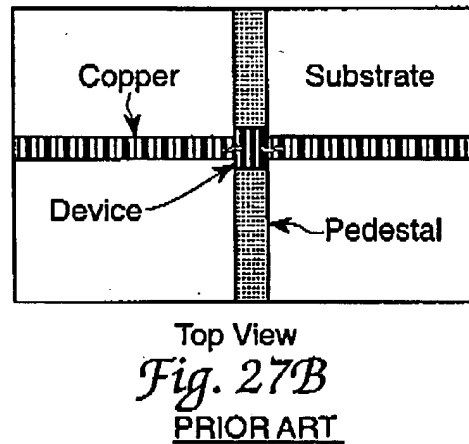
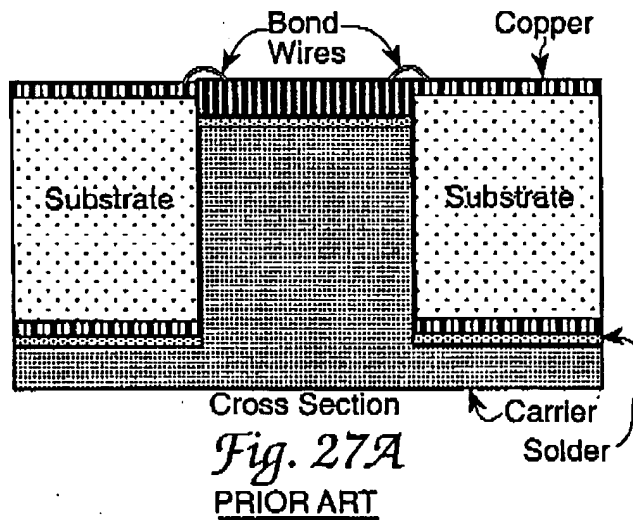
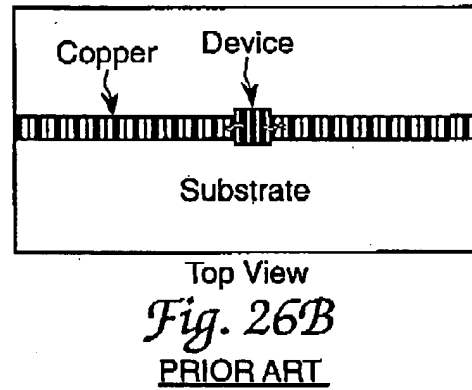
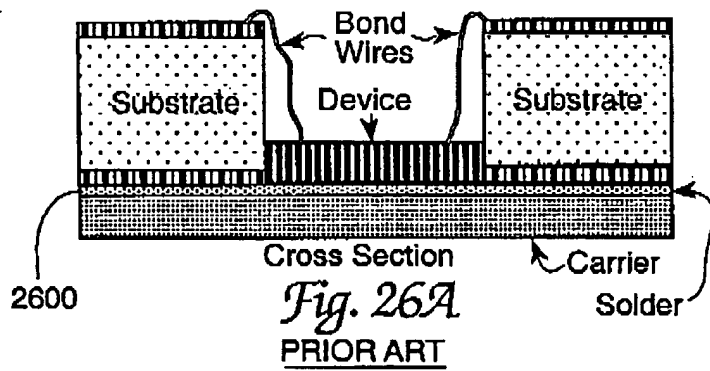
In view of the provisional election made herein and the change to the application drawings accomplished herein the application is believed to be in condition for examination and allowance. Such examination and allowance at the earliest possible time are respectfully solicited.

Respectfully submitted,

  
Gerald B. Hollins, Reg. No. 25,452  
Attorney for Applicant(s)

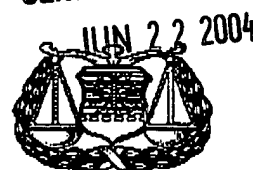
GBHollins  
(937) 255-2838  
(937) 255-3733 (fax)

Replacement Sheet

AFD 00460  
RYAN WELCH ETAL  
SHEET 14 OF 17

## DAILY LOG - NOVEMBER 2003

DATE	AF INV	INVENTOR(S)	SYMBOL	SERIAL #	FILING DATE	ALLOW. DATE	INTENT DATE	ISSUE DATE	PATENT/SIR NUMBER	REMARKS	ATTY	Resp Due	Ind	Com
11/20/03	D 599	Tan et al		10/192,040										
11/20/03	D 598	Tan et al		10/192,021					6,541,633	Certificate of Correction - 10/29/03	CEB	X		X
11/20/03	D 625	Michalek	US4FA	10/890,159	10/16/03					Office Action - 10/29/03	CEB	X		X
11/20/03	D 624	Michalek	US4FA	10/890,157	10/16/03					Postcard - Nonprovisional	GBH			X
11/20/03	D 623	Michalek	US4FA	10/890,159	10/16/03					Postcard - Nonprovisional	GBH			X
11/20/03	D 626	Willeston		10/892,074	8/1/03					Nonprovisional Filing Receipt	RAL			
11/20/03	D 628	Willeston		10/892,075	8/1/03					Nonprovisional Filing Receipt				
11/20/03	21432	Look et al		08/399,246					5,512,999	Maintenance Fee Statement (Paid)	TLK			
11/20/03	20790	Evans		08/376,131					5,543,170	Maintenance Fee Statement (Paid)	BDS			
11/20/03	D 628	Vickers et al	MLCP							FL - Orig. application forwarded to PTO	BDS	X		X
11/20/03	D 668	Allen et al		60/491,452	7/30/03					Provisional Filing Receipt	GST			
11/20/03	D 639	Asserov et al		10/893,402	10/21/03					Postcard - Nonprovisional	GBH			X
11/20/03	D 663	Mitra et al	ML							FL - Orig. application forwarded to PTO	GST			X
11/20/03	D 172	Roquemore et al		10/153,198						Office Action - 11/14/03	BDS	X		X
11/20/03	D 641	Beak et al	ML	10/895,730	10/23/03					Postcard - Nonprovisional	CEB			X
11/20/03	D 642	Beak et al	ML		10/23/03					Postcard - Nonprovisional	CEB			X
11/20/03	D 550	Quach et al	SN	10/034,747				11/23/03	6,653,214	ISU	GBH			X
11/20/03	D 514	Pulman et al		09/950,241						Office Action / drawings - 11/5/03	BDS	X		X
11/20/03	D 613	Schauer	PR							FL - Orig. application forwarded to PTO	BDS	X		X
11/20/03	D 592	Uehle et al	ML							FL - Orig. application forwarded to PTO	RAL			X
11/20/03	D 598	Tan et al		10/192,021						Amendment	CEB	X		X
11/20/03	D 683	Pepperger								NDD / ACI	GST			X
11/20/03	D 674	Dang et al	ML	60/495,955	8/18/03					Provisional Filing Receipt - 11/10/03	CEB			
11/20/03	D 670	Lucht et al	PR	60/493,564	8/7/03					Provisional Filing Receipt - 11/10/03	RAL			
11/20/03	D 572	McKellar et al		10/076,339						Office Action - 11/10/03	CEB	X		X
11/20/03	21403	DeLong et al		08/381,573					5,508,880	Maintenance Fee Reminder - 10/29/03	BDS			
11/20/03	21167	Subramanian et al		08/384,375					5,505,793	Maintenance Fee Reminder - 10/29/03	BDS			
11/20/03	D 6	Essentraut et al		08/394,081					5,506,877	Maintenance Fee Reminder - 10/29/03	CEB			
11/20/03	D 671	Enche et al	US4FA							FL - Prov. application forwarded to PTO	GBH	X		X
11/20/03	D 460	Welch et al		10/034,769						Response to Restriction Requirement	GBH	X		X
11/20/03	D 609	Mitra	SN	10/225,551					6,653,970	ISU	GST			X
11/20/03	D 628	Vickers	MLQ	10/703,038	11/5/03					Postcard - Nonprovisional	BDS			X
11/20/03	D 678	Tan et al	ML							NDD / ACI	CEB			X
11/20/03	D 688	Tan et al	ML							NDD / ACI	CEB			X
11/20/03	D 610	Stone et al		10/634,234	8/5/03					Filing Receipt - Nonprovisional	CEB			
11/20/03	D 610	Stone et al		10/634,234						Missing Parts Notice - 11/18/03	CEB	X		X
11/20/03	D 686	Spain et al	MLQ							NDD / ACI	CEB			X
11/20/03	D 613	Schauer	PR	10/706,192	11/12/03					Postcard - Nonprovisional	BDS			X
11/20/03	D 663	Mitra et al	SN	10/704,823	11/12/03					Postcard - Nonprovisional	GST			X
11/20/03	D 573	Shank		10/456,143						Ex Parte Quayle Action - 11/20/03	RAL	X		X

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Examiner John B. Vigushin Art Unit 2827  
(Name) (Telephone#) (Organization)

**Addressee's FAX NUMBER:** (703) 872 9306**Sent By:** GB Hollins**Total Pages (Including Cover):** 10**Date / Time Transmitted:** \_\_\_\_\_**REMARKS:** Per Telephone Request

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/034,769	
	Filing Date	January 3, 2002	
	First Named Inventor	Ryan J. Welch	
	Art Unit	2827	
	Examiner Name	John B. Vigushin	
Total Number of Pages in this Submission	9	Attorney Docket Number	AFD 460

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts / Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to a Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
		Remarks: There is no fee associated with this filing.
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT		
Firm or Individual Name	GERALD B. HOLLINS	
Signature	<i>Gerald B Hollins</i>	
Date	June 22, 2004	

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Typed or printed name	GERALD B. HOLLINS	
Signature	<i>Gerald B Hollins</i>	Date June 22, 2004

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Substitute PTO/SB/21 (08-03)

Approved for use through 8/30/2003

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	10/034,769
		Filing Date	January 3, 2002
		First Named Inventor	Ryan J. Welch
		Group Art Unit	2827
		Examiner Name	John B. Vigushin
Total Number of Pages in this Submission	5	Attorney Docket Number	AFD 460

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts / Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to a TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Gerald B. Hollins, Reg. No. 25,452
Signature	<i>Gerald B Hollins</i>
Date	17 November 2003

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Signature	<i>Gerald B Hollins</i>
Date	17 November 2003